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Author/Editor:			
Journal/Book Title:			
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Remarks:	The NPL as highlighted in the attached IDS.		

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Local Attempts	<input checked="" type="checkbox"/>														
Date	4/14														
Initials	SG														
Results	Comp														
Examiner Called															
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Money Spent															
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DOCUMENT RETRIEVAL REQUEST FORM

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Requester's Name: **HUNG PHAM** Case Serial Number: **09/755,503** Art Unit/Org.: **2172**

Phone: **605-4242** **RightFax: Building: **CPK2-4D35** Room Number: **4D35**

Class/Sub-Class:

Date of Request: **04/13/04** Date Needed By: **ASAP**

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Journal/Book Title:

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83

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Library Action	PTO		LC		NAL		NIH		NLM		NIST		Other	
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Local Attempts	✓													
Date	4/14		4/5											
Initials	89		SNP											
Results	N/A		Completed											
Examiner Called			0											
Page Count			3											
Money Spent			60											

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From:

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Comments:

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Number: 99014731

Material: Book (Print, Microform, Electronic, etc.)

Personal Name: Wilkinson, Leland.

Main Title: The grammar of graphics / Leland Wilkinson.

Published/Created: New York : Springer, c1999.

Description: xvii, 408 p. : ill. (some col.) ; 24 cm.

ISBN: 0387987746 (alk. paper)

Notes: Includes bibliographical references (p. [378]-396) and index.

Subjects: Statistics--Graphic methods--Data processing.

Series: Statistics and computing

LC Classification: QA276.3 .W55 1999

Dewey Class No.: 001.4/226 21

CALL NUMBER: QA276.3 .W55 1999
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Form PTO 1449 LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. BA4-067		SERIAL NO.		
		APPLICANT Nancy E. Miller et al.						
		FILING DATE		GROUP				
U.S. PATENT DOCUMENTS								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
Lg	AA	6,076,088	06/13/00	Paik et al.				
	AB	6,070,133	05/30/00	Brewster et al.				
	AC	6,031,537	02/29/00	Hugh				
	AD	6,026,388	02/15/00	Liddy et al.				
	AE	5,973,662	10/26/99	Singers et al.				
	AF	5,960,381	09/28/99	Singers et al.				
	AG	5,950,196	09/07/99	Pyreddy et al.				
	AH	5,897,627	04/27/99	Leivian et al.				
	AI	5,891,729	04/06/99	Behan et al.				
	AJ	5,873,080	02/16/99	Coden et al.				
	AK	5,826,261	10/20/98	Spencer				
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)								
Lg	AR	✓	Visualizing the Non-Visual: Spatial analysis and interaction with information from text documents, James A. Wise et al.,					
			Proceedings of IEEE '95 Information Visualization, (8 pages) pages 51-58, Atlanta, GA, October 1995. IEEE Service Center.					
J	AS	✓	The Grammar of Graphics, Leland Wilkinson, ©1999 Springer-Verlag New York, Inc., pages 297 & 298. ordered ✓					
J	AT	✓	Evaluation of a Tool for Visualization of Information Retrieval Results, Aravindan Veerasamy et al.,					
			©1996 SIGIR, Zurich, Switzerland ACM, 8 pages.					
EXAMINER <i>J. K. [Signature]</i>				DATE CONSIDERED 04/12/04				
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U.S. PATENT DOCUMENTS							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
ho	AA	5,639,732	08/19/97	Kirsch			
7	AB	5,625,767	04/29/97	Bartell et al.			
	AC	5,576,954	11/19/96	Driscoll			
	AD	5,553,226	09/03/96	Kiuchi et al.			
	AE						
	AF						
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	AK						

FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
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	AL						
	AM						
	AN						
	AO						
	AP						

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)			
ho	AR	<input checked="" type="checkbox"/>	TileBars: Visualization of Term Distribution Information in Full Text Information Access, Marti A. Hearst, © ACM 95, pages 1-5 and 3 images.
↑	AS	<input checked="" type="checkbox"/>	To See, or Not to See-Is That the Query?, Robert R. Korfhage, ©1991 ACM, pages 134-141.
↑	AT	<input checked="" type="checkbox"/>	Multivariate Analysis, K.V. Mardia et al., Academic Press Ltd., London, U.K., 1979 (ISBN 0-12-471252-5). Ordered

EXAMINER <i>J. A. H. H. H.</i>	DATE CONSIDERED 04/15/04
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Nancy E. Miller et al.

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*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA					
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FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
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	AN						
	AO						
	AP						

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

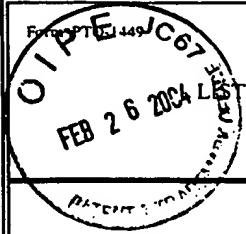
lo	AR	Metaphoric Abstraction: The River of time and Complex Systems, R.R. Singers, ©1998 Johnson Controls, Inc., pages 1-3. <i>ordered</i>
1	AS	Metaphoric Abstraction: the Starfield and Complex Systems, R.R. Singers & L.S. Endres, <i>ordered</i> 1994 Symposium on Human Interaction with Complex Systems, pages 34-46.
	AT	

EXAMINER *J. Lander*

DATE CONSIDERED *04/15/04*

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		LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)						
		APPLICANT Nancy E. Miller et al.				FILING DATE 01/05/01		GROUP
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ls	AA	5,847,708	12/08/98	Wolff				
7	AB	5,778,362	07/07/98	Deerwester				
	AC	5,761,685	06/02/98	Hutson				
	AD	5,175,710	12/29/92	Hutson				
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	AL							
	AM							
	AN							
	AO							
	AP							
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)								
ls	AR		Spence, Robert, <i>Information Visualization</i> , The Neighbourhood Explorer, ©2001 ACM Press, pages 85-88 and reference page. <i>ordered</i>					
7	AS		Mardia et al., K.V., <i>Multivariate Analysis</i> , ©1994 Academic Press, pages 394-423. ? <i>ordered</i>					
	AT		Olsen et al., Kai A., <i>Visualization of a Document Collection: The Vibe System</i> , ©1993 Rergamon Press Ltd., pages 69-81.					
EXAMINER				DATE CONSIDERED				
ls				04/15/04				
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>								

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ATTY. DOCKET NO.
BA4-067

SERIAL NO.
09/755,503

APPLICANT
Nancy E. Miller et al.

FILING DATE
01/03/01

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U.S. PATENT DOCUMENTS							
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FOREIGN PATENT DOCUMENTS							
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AB	WO 00/43908	07/27/00	PCT				

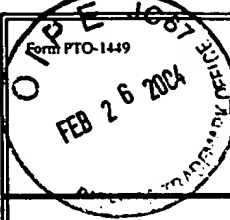
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)		
<div style="font-size: 2em; font-weight: bold;">29</div> <div style="font-size: 2em; font-weight: bold;">7</div>	AC	✓ Keim, Daniel A., "Designing Pixel-Oriented Visualization Techniques: Theory and Applications," © 2000 IEEE, pages 1-20.
	AD	✓ Dubin, David, "Document Analysis for Visualization," © 1995 ACM, pages 199-203.
	AE	✓ Mukherjee et al., "Visualizing the Results of Multimedia Web Search Engines," © 1996 IEEE, pages 1-2 plus drawing.
	AF	✓ Grewal et al., "A Visual Representation of Search-engine Queries and their Results," © 2000 IEEE, pages 352-356.
	AG	✓ Hoffman, Donald D., "Visual intelligence: How we create what we see," © 1998 W.W. Norton, 4 pages from web site.
	AH	✓ Cooper and Ruger, "A Simple Question Answering System," Proceedings of TREC-9, NIST (Gaithersburg, MD), pages 249-255.
	AI	✓ von Schroeter et al., "From Raw Polyphonic Audio to Locating Recurring Themes," pages 1-11.
	AJ	✓ Carey et al., "New Paradigms in Information Visualization," © 2000 ACM, pages 307-309.
AK	✓ Ruger et al., Automatic Query Feedback Using Related Words," Proceedings of TREC-8, NIST (Gaithersburg, MD), pages 421-423.	

EXAMINER J. Lamber

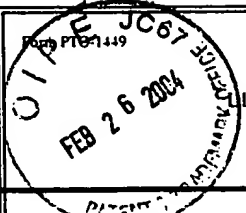
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		FILING DATE 01/03/01		GROUP			
U.S. PATENT DOCUMENTS							
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	AK						
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes No
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
ls	AL	✓	Zervas et al., "The Curse of Dimensionality and Document Clustering," © 1999 IEEE, pages 19/1-19/3.				
1	AM	✓	Ruger, Stefan M., "Feature Reduction for Information Retrieval," TREC-7, NIST (Gaithersburg, MD), pages 409-412.				
EXAMINER				DATE CONSIDERED			
J. Lawrence				04/15/04			
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	AA						
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes No
	AB						
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
20	AC	<input checked="" type="checkbox"/>	Sewraz et al., "A Visual Information-Retrieval Navigator," BCS IRSG 2000 (Cambridge, UK, 5-7 April 2000), 10 pages.				
			THE FOLLOWING FOUR (4) ITEMS ARE TALKS GIVEN AT VARIOUS CONFERENCES, NO WRITTEN MATERIALS				
			ARE AVAILABLE.				
	AD		Ruger, S.M., "The Freedom to Forget: Multimedia Knowledge Management," University of Glasgow, Department of Computer Science.				
			IR Group, 11 December 2000; University of Exeter, Department of Computer Science, 30 November 2000.				
	AE		Ruger, S.M., "Challenges of Information Retrieval on the Web," Knowledge Web Workshop, IC, London, 33 September 1998.				
	AF		Ruger, S.M., "Efficient Graphical Models for Data Mining," RIKEN, The Institute of Physical and Chemical Research, Wako-shi, Japan.				
			12 June 1998; Imperial College, Department of Computing, London, 18 March 1998.				
	AG		Ruger, S.M., "Large Scale Data Mining - Everywhere on the Internet," GMD, Forschungszentrum Informationstechnik GmbH.				
			Berlin-Adlershof, 22 October 1997.				
	AH						
	AI						
	AJ						
EXAMINER <i>J. L. G. S. S.</i>				DATE CONSIDERED 04/15/04			
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